CONSTRUCCIÓN Y REVESTIMIENTO DE PAREDES

REPEMAX® CAPA GRUESA ARCILLA 60

Mortar of 60 kg/cm² for rendering 5 mm to 20 mm thick

DESCRIPTION

Repemax® Capa Gruesa Arcilla 60 is a latex, microfiber and admixture modified mortar for walls, to be applied between 5 mm and 20 mm in thickness, manually or with render spraying mixer pump.

OVER SURFACES OF

- Clay masonry.

ON

- Interior and exterior applications.

FEATURES

- Mortar 2 in 1: renders and finishes.
- Compressive strength of 60 kg/cm² (5,9 MPa or 840 psi) according to UNE EN 1015-11.
- Ideal mix of cement, sand, polymers, microfibers and admixtures.
- Allows being finished rough or smooth, depending on the tool.
- More economy in finishing and paint.
- Excellent adhesion.
- Fiber modified to reduce cracking.
- More plasticity for the correct application with render spraying mixer pump.
- Does not sag.
- Prevents cracking, dusting and powdering.
- Compared with traditional mortars: more speed, less material waste, better order and cleanliness, less physical effort, more productivity and cost savings.
- Controlled and constant quality.
- Long-lasting; contains high quality, clean sand. Does not contain sand from rivers or oceans.
- Complies with UNE-EN 998-1, classification GP CS III W0.

PACKAGING

Panama
40 kg
Gray

WATER DOSAGE

Water dosage	Panama
Manual mixing (40 kg bag)	6,3 L - 7,3 L
In m-tec Monomix machine	200 L/h to 240 L/h

INSTALLATION

SURFACE PREPARATION

Surface must be clean, sound and free of loose particles, laitance, oil, wax, sealers, curing compounds, grease, paint, efflorescence or any other contaminant. Moisten substrate well and make sure surface temperature is 30 ºC or lower. If the installation will have mesh for mechanical anchoring, there should be a distance of at least 3,2 mm between the surface and the mesh.

MIXING

Manual: Add Repemax® Capa Gruesa Arcilla 60 to clean water according to the water dosage table above. Mix to a plastic and homogeneous consistency. Let stand 5 minutes to give all chemicals time to slake and then remix. Do not add more water or dry materials after slaking. Do not prepare more material than can be applied in 1 hour.

With mtec machine: Adjust the water in the flow indicator of the render and plaster spraying mixer pump, to guarantee a plastic and homogeneous mortar (see water dosage table).

APPLICATION

Manual: Once the screed guides have hardened, apply Repemax® Capa Gruesa Arcilla 60 with a trowel, pressing it against the surface, or toss it with a brick trowel. A thickness between 5 mm and 20 mm is recommended. If the installation will have mesh for mechanical anchoring, first fill with plaster the space between the surface and the mesh. Wait until the product is hard enough to receive the next coat. Level with an aluminum screed while the mortar is still workable. Once it is dry to the touch, finish it with a rubber or metal trowel.

With machine: Prepare the screed guides in the required depth and allow them to harden. Hold the spraying gun perpendicular to the wall to be plastered, at a distance of 10 cm to 15 cm. Spray the mortar, horizontally from side to side, in an upward movement. A thickness between 5 mm and 20 mm is recommended. If the installation will have mesh for mechanical anchoring, first fill with plaster the space between the surface and the mesh. Wait until the product is hard enough to receive the next coat (approximately 24 hours). Level with an aluminum screed while the mortar is still workable. Once it is dry to the touch, finish it with a rubber or metal trowel

Drying time may vary depending to weather conditions. Protect Repemax® Capa Gruesa Arcilla 60 from rain and vibration for at least 8 hours.

CLEAN-UP

Clean all tools with soapy water before mortar dries.

CURING:

Keep surface damp with water for the first 72 hours for better curing, starting the following day.

COVERAGE (m^2)

Thickness	Coverage
5 mm	4,0 m^2 – 4,4 m^2
10 mm	2,0 m^2 – 2,2 m^2
15 mm	1,3 m^2 – 1,5 m^2
20 mm	1,0 m^2 – 1,1 m^2

One bag of 40 kg produces approximately 20 liters of mortar. Coverage depends on surface conditions. Tests on site should be made for a more accurate estimation.

TECHNICAL DATA

Complies with UNE-EN 998-1 classification GP CS III W0.

Information Repemax® Capa Gruesa Arcilla 60		Compliance	
		Manual	Sprayed
Data of use	Thickness	5 mm – 20 mm	5 mm - 20 mm
	Slaking time	5 min	NA
	Pot life	1 h	NA
	Water curing time	72 hours	72 hours
Physical data	Density	1719 kg/m^3	1890 kg/m^3
	Flow ASTM C 1437	85%	104%
ASTM C 109	Compressive strength at 28 days	30,4 MPa	35,7 MPa
UNE EN 1015-11	Compressive strength at 28 days (CS IV)*	56,7 MPa	57,7 MPa
UNE EN 1015-12	Adhesion at 28 days	≥0,65 MPa	≥0,65 MPa
UNE EN 1015-18	Capillarity by absorption W1	≥ 0,4 kg/m^2 ·$min^{0,5}$	≥ 0,4 kg/m^2 ·$min^{0,5}$
UNE-EN 998-1 5.3.3	Reaction to fire	Class A1	Class A1

*CS III corresponds to a compressive strength between 3,5 MPa and 7,5 MPa.

ENVIRONMENTAL CONTRIBUTION

Information of the contribution to the environment	
Diversion from landfills	INTACO packaging materials are made of paper and/or plastic that may be diverted from landfills.
Regional materials	Place of extraction of agreggates and of gray cement manufacturing (for gray mortars) are within a radius of 804 km from INTACO's manufacturing facilities.
Low emitting materials	VOC content is 0,0 g/L (minus water). Complies with VOC levels of South Coast Air Quality Management District. Tests under ASTM D6886-03 method.

SHELF LIFE AND STORAGE CONDITIONS

Storage time is 6 months from the manufacturing date, in its original closed package. Keep in a cool, dry place.

RECOMMENDATIONS

Excess water in the mix affects mechanical strength and product quality. Substrate and material must be cool at time of application. Do not use water with a temperature higher than 25 °C. When a thickness larger than 20 mm is desired, consult INTACO's Departamento de Respaldo Técnico. Leave the first coat rough and dampen it before applying the second one. Wait at least 24 hours between coats. To improve adhesion over very smooth surfaces, prime with Maxicril® before applying the mortar. Apply Repemax® Capa Gruesa Arcilla 60 before the primer dries. Do not use Plasterbond® or any other re-emulsifiable adhesives before the application of Repemax® Capa Gruesa Arcilla 60. On very absorbent substrates, provide a saturated surface dry (SSD) condition. On adverse weather conditions, use curtains to avoid direct sun rays and wind. Avoid finishing the product while it's still too fresh, since this can cause cracking or loss of adhesion. Do not grind the surface of this mortar. If it will be left exposed, seal it with Maxilane®, Maxiclear® or Maxihard®.

LIMITATIONS

This product is not designed to be in immersion or below ground with a high-water table.

PRECAUTIONS

Wear adequate protection. Do not take internally. Avoid breathing dust. Eliminate or control dust while handling or placing this product. May burn or irritate the eyes or skin.

First aid: In case of contact, flush eyes or skin thoroughly for 15 minutes with clean water and get prompt medical attention. In case of ingestion, drink one or two glasses of water to dilute and get immediate medical attention.

WARRANTY

INTACO warrants that this product is free of defects and will perform in the way described in the technical sheet, only if the product is used strictly according to applicable specifications and instructions provided by INTACO for its use. INTACO will replace or, at INTACO's option, refund the purchase price of any product proven to be defective due to quality of ingredients or to the manufacturing process. INTACO does not take responsibility for indirect, consequential, incidental or special damages. Coverage and dosage data are susceptible to variations due to particular conditions in each job site; it is the user's responsibility to test and verify them at the site. This product data sheet may be changed without INTACO's notification.

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